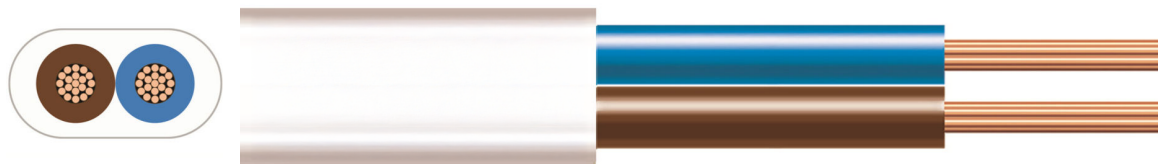


219-Y / H03VVH2-F PVC FLEXIBLE CABLE



Introducing our versatile electrical cable, the 2192Y flex. Designed for light-duty tasks in domestic premises, kitchens, offices, and construction sites across Europe, it's the perfect solution for powering appliances like kettles and office equipment. Constructed with stranded bare copper conductors, PVC insulation, and a PVC outer sheath

CONDUCTOR	Plain Copper
STRANDING	Class 5
INSULATION	PVC
OUTERSHEATH	PVC
OUTERSHEATH COLOUR	Black, White
RATED VOLTAGE	300V
CORE IDENTIFICATION	Blue, Brown
MINIMUM BENDING RADIUS	Flexed 8 x overall diameter
OPERATING TEMPERATURE	+5°C to +70°C
STANDARDS	EN 50525-2-11, EN 60228 Flame Retardant according to IEC/EN 60332-1-2
APPROVALS	

SPECIFICATION DATA

BATT Part No White	BATT Part No Black	Nominal cross sectional area of conductor	Radial thickness of insulation	Nominal thickness of oversheath	Approx overall diameter	Weight
37281	37282	0.5	0.5	0.6	3.35 x 5	30
37228	37196	0.75	0.5	0.6	3.35 x 5.5	37

RATING TABLES

COPPER
CONDUCTORS

TABLE 4F3A - Flexible cables,
non-armoured
(COPPER CONDUCTORS)

CURRENT-CARRYING CAPACITY (amperes): and MASS SUPPORTABLE (kg):

Conductor cross-sectional area	Current-carrying capacity		Maximum mass supportable by twin flexible cable (see Regulations 522.7.2 and 559.5.2)
	Single-phase AC	Three-phase AC	
1	2	3	4
(mm²)	(A)	(A)	(kg)
0.5	3	3	2
0.75	6	6	3
1	10	10	5
1.25	13	-	5
1.5	16	16	5
2.5	25	20	5
4	32	25	5

Where cable is on a reel see the notes to Table 4F1A.

RATING FACTOR FOR AMBIENT TEMPERATURE

60 °C thermoplastic or thermosetting insulated cable:

Ambient temperature	35 °C	40 °C	45 °C	50 °C	55 °C
Rating factor	0.91	0.82	0.71	0.58	0.41

110 °C flexible cable:

Ambient temperature	35 to 80 °C	85 °C	90 °C	95 °C	100 °C	105 °C
Rating factor	1.0	0.96	0.85	0.74	0.60	0.42

90 °C thermoplastic or thermosetting insulated cable:

Ambient temperature	35 to 50 °C	55 °C	60 °C	65 °C	70 °C
Rating factor	1.0	0.96	0.83	0.67	0.47

150 °C flexible cable:

Ambient temperature	35 to 120 °C	125 °C	130 °C	135 °C	140 °C	145 °C
Rating factor	1.0	0.96	0.85	0.74	0.60	0.42

Glass fibre flexible cable:

Ambient temperature	35 to 50 °C	155 °C	160 °C	165 °C	170 °C	175 °C
Rating factor	1.0	0.92	0.82	0.71	0.57	0.40

TABLE 4F3B

VOLTAGE DROP (per ampere per metre):

Conductor operating
temperature: 60 °C

Conductor cross-sectional area	DC or single-phase AC	Three-phase AC
1	2	3
(mm²)	(mV/A/m)	(mV/A/m)
0.5	93	80
0.75	62	54
1	46	40
1.25	37	-
1.5	32	27
2.5	19	16
4	12	10

NOTE: * The tabulated values above are for 60 °C thermoplastic or thermosetting insulated flexible cables and for other types of flexible cable they are to be multiplied by the following factors:

For	90 °C thermoplastic or thermosetting insulated	1.09
	110 °C	1.17
	150 °C	1.31
	185 °C glass fibre	1.43

